

Raphaël Jananji

Household Heterogeneity • Monetary Economics • Labour Frictions • Taxation • Climate Economics
PhD specialization in macroeconomics, applied economics, and econometrics

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Updated: July 2026

Education

Ph.D. economics, University of Montreal	2021-2027
M.A. economics, University of Montreal	2020-2021
B.Sc. economics, Concordia University	2017-2020

Working Papers

The Stabilization Effect of Government Employment (Job Market Paper)

Social Optima of Government Employment

Companion to "The Stabilization Effect of Government Employment"

Optimal Correction of Environmental Stochastic Externalities (with Alexandre Pavlov)

Work in Progress

Kinked Progressive Taxation in Heterogeneous-Agent models (with Nora Traum)

Heterogeneous Complementarity Between Transportation and Consumption: Studying Carbon Tax Under Regional Differences (with Noémie Vert Martin)

Idiosyncratic Environmental Stochastic Externalities

Extension of "Optimal Correction of Environmental Stochastic Externalities"

Academic Seminars and Conferences

- 2026 Annual Dynare Conference (Ottawa); T2M student pre-conference; CEA Annual Conference (Vancouver); Congrès SCSE (Québec); CIRANO-CIREQ Workshops on Environmental and Natural Resource Economics; CIREQ Weekly PhD Student Research Workshop
- 2025 BASEforHANK Winter School (DIW Berlin); Mount Allison University, Invited Seminar; CEA Annual Conference (Montreal); CIRANO-CIREQ Workshops on Environmental and Natural Resource Economics; Quebec Social Sciences PhD presentation group; CIREQ Weekly PhD Student Research Workshop
- 2024 CIREQ PhD Student Conference; Quebec Social Sciences PhD presentation group; CIREQ Weekly PhD Student Research Workshop
- 2023 Quebec Social Sciences PhD presentation group; CIREQ Weekly PhD Student Research Workshop

Research Experience

Research assistant - Joshua Lewis	2023-2024
Researcher - Research Chair in Fiscality and Public Finance (CFFP)	2021-2023
Research assistant - Jorgen Hansen	2019-2020

Awards and Research Grants

McConnell - Travel Grant (1 000\$)	2026
Maison des affaires publiques et internationales - Travel Grant (2 500\$)	2025-2026
FRQSC - Doctoral training scholarship (32 000\$)	2025-2026
University of Montreal- PhD scholarship (21 000\$/yearly guaranteed)	2021-2024

Seminar and Conference Organization

CIREQ Weekly PhD Student Research Workshop	2023-2026
19th CIREQ PhD Student Conference	2024

Teaching Experience

Lecturer - University of Montreal	
Introduction to Microeconomics	2025, 2026
Economics and Globalization	2024, 2026
Teaching assistant - University of Montreal	
Ph.D. Microeconomics	2022
M.A. Data Science	2025-2026
M.A. Macroeconomics	2021-2025
M.A. Microeconometrics	2022-2024

Skills

Modeling: Two asset HANK ; Sequence Space Jacobian; HANK in State Space; Continuous-Time HANK; Labour market frictions within HANK; Optimal taxation for climate risk

Programming: MATLAB, Python, Julia

Statistics: R, STATA

Languages: French and English (native/bilingual)

PhD Supervisors

Nora Traum — Associate Professor, Department of Applied Economics, HEC Montreal
Email: nora.traum@hec.ca Website: <https://sites.google.com/view/noratraum>

Hyejin Park — Assistant Professor, Department of Economics, University of Montreal
Email: hyejin.park@umontreal.ca Website: <https://www.hyejinpark.net>